

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L7	0	((adaptive adj model) and (training adj data)).clm.	US-PGPUB	OR	ON	2010/01/19 15:07
L8	47	((adaptive adj model)).clm.	US-PGPUB	OR	ON	2010/01/19 15:07
L11	170	((vectors and bin\$4 and train\$3)).clm.	US-PGPUB	OR	ON	2010/01/19 15:16
L12	43	((vectors and (bin or binning) and train\$3)).clm.	US-PGPUB	OR	ON	2010/01/19 15:34

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S241	1800	702/183.cc1s.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2010/01/19 11:58

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L17	92	(vectors and (bin or binning)) and train\$3 and adaptive and sequence adj number and sort\$3	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2010/01/19 16:27

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	20	703/17.ccls. and @pd>="20090901"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2010/01/19 14:47
L5	10	(sequence adj number) same (training near data)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2010/01/19 14:55
L6	19	assign\$5 near (sequence adj number) and (training near data)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2010/01/19 14:57

the **training data**, we should partition the training set into two subsets. One subset would be used to learn the classifier that yields uncalibrated ...

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[\[PDF\] LIBSVM: a library for support vector machines](#)

CC Chang, CJ Lin - 2001 - Citeseer

Page 1. LIBSVM: a Library for Support Vector Machines Chih-Chung Chang and Chih-Jen Lin | Last updated: January 3, 2006 Abstract LIBSVM is a library for support vector machines (SVM). Its goal is to help users to easily use SVM as a tool. ...

Cited by 2681 - Related articles - View as HTML - All 23 versions

[\[PDF\] Building symbolic information for 3D human body modeling from range data](#)

L Dekker, I Dourou, BF Buxton, P ... - 3DIM99 Proceedings, 1999 - somavision.co.uk

... The landmarks used to train PDMs must be reliably locatable on the **training data** in the processing medium, in this case, 3D surface data. ... The mesh segments are fitted to the segment data by first **binning** the points (figure 6) into fixed interval sectors (where the sector angle,  $\theta$  ...

Cited by 50 - Related articles - View as HTML - All 7 versions

[Network generality, training required, and precision required](#)

JS Denker, BS Wittner - Neural information processing systems: ..., 1988 - books.google.com

... 1987). Once again, we can use the **training data** to winnow the ensemble, and when  $m = 1$ , there will be only one remaining **bin**. That function will presumably generalize correctly to the remaining  $1N - m$  possible patterns. ...

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... Global land cover classifications at 8 km spatial resolution: the use of **training data** derived from Landsat imagery in decision tree classifiers ... High-resolution Landsat data provide the basis to derive **training data** through visual interpretation of the vegetation on the ground. ...

Cited by 283 - Related articles - View as HTML - BL Direct - All 15 versions

**Training algorithms for linear text classifiers**

DD Lewis, RE Schapire, JP Callan, R ... - Proceedings of the 19th ..., 1996 - portal.acm.org

... The judged documents are used as **training data** to produce a more effective query and thus a new and better ranking. In text categorization, documents that have been categorized by human indexers can be used as **training data** for a classifier to categorize future documents. ...

Cited by 540 - Related articles - All 20 versions

**Adequacy testing of training set sample sizes in the development of a computer-...**

B Zheng, YH Chang, WF Good, D Gur - Academic Radiology, 1997 - Elsevier

... Performance with the testing data set continued to improve as the **training data** set increased in size. Conclusion. A trend in a system's performance as a function of training set size can be used to assess adequacy of the **training data** set in the development of a CAD scheme. ...

Cited by 20 - Related articles - BL Direct - All 4 versions

**[PDF] Blind separation of convolved mixtures in the frequency domain**

P Smaragdis... - Neurocomputing, 1998 - Citeseer

... unmixing matrices. In order to enforce this further we can use an influence factor for the update of every bin so that: (11) where ... and momentum. On-line training was performed, only once through the **training data** in real- time. After ...

Cited by 375 - Related articles - View as HTML - All 9 versions

**[PDF] Comparison of two different PNN training approaches for satellite cloud data ...**

B Tian, MR Azimi-Sadjadi - IEEE Transactions ..., 2001 - chesearch.engr.colostate.edu

... Data Classification **Bin** Tian and Mahmood R. Azimi-Sadjadi ... This may be due to the fact that the Gaussian mixture model may not be an accurate assumption for some of the feature space distribution and the **training data** set is often inadequate. In [4], Juang et al. ...

Cited by 12 - Related articles - View as HTML - BL Direct - All 10 versions

**[PDF] A study of cloud classification with neural networks using spectral and ...**

B Tian, MA Shaikh, MR Azimi-Sadjadi, ... - ... on Neural Networks, 1999 - cnrl.colostate.edu

... **Bin** Tian, Muktiar A. Shaikh, Mahmood R. Azimi-Sadjadi, Senior Member, IEEE, Thomas H. Vonder Haar, and Donald L. Reinke ... The key issue for the implementation of this Bayesian classifier is to extract the conditional distributions from the **training data** set. ...

Cited by 61 - Related articles - View as HTML - BL Direct - All 11 versions

**[PDF] Obtaining calibrated probability estimates from decision trees and naive ...**

B Zadrozny, C Elkan - MACHINE LEARNING-INTERNATIONAL ..., 2001 - Citeseer

... With most learning methods, in order to obtain binned estimates that do not overfit

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## A Predictor of Human Visual Performance (PREVIP) at Form Discrimination Tasks

RA Gagnon - 1980 - Storming Media

Page 1. ф CO C\* o BOGSRÁ. GACmait. CÓL,USA?- :■ 4l ifc- 'YV w^v\*^\*\*- и .и.', i  
'•in~" ;~T^"\*\*^ Atta. "»} jéb*i*};'«wdHibat . . " ■ L.'l- "iil;ijl',rttl; ■'Я Я « •у , a \ if jh. s\* -MSÈsM  
\*кяъ..ан1 ■ Vfl. Vl^v=^üfc\; LirÁ'Bdsa-ь-щгГ rii filr iiii SS\*iaS?IS=SS Page 2. ...

All 3 versions

## [TXT] Modeling of primary and secondary load in the internet

BE Wolfinger, M Zaddach, G Bai, KD ... - ... Hamburg FB Informatik, 2000 - historical.nestrl.org

... request, fil CONNECTION ACKNOWLEDGE CLIENT request, that is, the client, first, sends a SYN  
(synchronize **sequence numbers** flag) segment ... strong impact in case of static resource reservations  
during data transmission as well as in case of an **adaptive model**-based quality ...

Cited by 6 - Related articles - Cached - All 2 versions

## Personal communication system

FP Moyano, JP Fernandez, CR Balmaseda ... - US Patent App. 09/ ... , 2001 - Google Patents

Page 1. US 20020051519A1 (19) United States (12) Patent Application Publication

(i> Pub. NO.: US 2002/0051519 Al Moyano et al. (43) Pub. Date: May 2,2002 (54)

PERSONAL COMMUNICATION SYSTEM (76) Inventors ...

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**[PDF] PHAD: Packet header anomaly detection for identifying hostile network traffic**

M Mahoney, PK Chan - Florida Institute of Technology technical report CS ..., 2001 - Citeseer

... Techniques include the deliberate use of bad checksums, unusual TCP flags or IP options, invalid **sequence numbers**, spoofed Page 2. 2 ... In Section 5, we simulate PHAD in an on-line environment where the **training data** is not guaranteed to be attack-free. ...

Cited by 87 - Related articles - View as HTML - All 8 versions

**Local structural motifs of protein backbones are classified by self-organizing neural ...**

J Schuchhardt, G Schneider, J Reichelt, ... - Protein Engineering ..., 1996 - Oxford Univ Press

... by neuron (0/8). Corresponding to the large bar in the histogram this helical motif is the one most frequently found in the **training data**. ... Fig. 6. Sequences of the 30 structural elements most similar to neuron (5/4). From left to right the **sequence numbers**, the PDB identifiers, the ...

Cited by 54 - Related articles - BL Direct - All 7 versions

**[PDF] Prediction and Classification of -Turn Types**

KC Chou - Biopolymers, 1997 - gordonlifescience.org

... Prediction and Classification of  $\alpha$ -Turn Types 845 where  $P_i^a R^a t$  ( $a = 1, 2, 3, 4, 5$ ) is the probability of amino acid  $R^a$  at the subsite  $i$  for the type  $t$ - $\alpha$  turns, and its value can be derived from a **training data** set consisting of only  $t$ - $\alpha$  turns type pentapeptides (set  $S_i^t$ ); -PL'15 (R ...

Cited by 52 - Related articles - BL Direct - All 6 versions

**[PDF] Mining fuzzy association rules and fuzzy frequency episodes for intrusion ...**

J Luo, SM Bridges - International Journal of Intelligent Systems, 2000 - Citeseer

... detection problem. 2. DATA MINING METHODS FOR INTRUSION DETECTION Data mining methods can be used to extract normal patterns from **training data** automatically and adaptively. Two data mining methods, association rules and serial ...

Cited by 103 - Related articles - View as HTML - BL Direct - All 11 versions

**Classification and prediction of  $\beta$ -turn types**

KC Chou, JR Blinn - Journal of protein chemistry, 1997 - Springer

... This is probably due to: (1) the incompleteness of **training data**, meaning insufficient data in the development of the residue-coupled frequencies for each of the structural types concerned, so that the signal-to-noise ratio is poor, and (2) the incom- plteness of the algorithm ...

Cited by 43 - Related articles - BL Direct - All 7 versions

**[PDF] Integrating fuzzy logic with data mining methods for intrusion detection**

J Luo - 1999 - Citeseer

... 54 6.7 Comparison of Similarities Between **Training Data** Set and Different Test Data Sets for Fuzzy Episode Rules ..... 55 ... its IP **sequence numbers** and then masking itself as a legal user. Since intrusions will take ...

Cited by 40 - Related articles - View as HTML - All 3 versions

**Fast training of recurrent networks based on the EM algorithm**

S Ma, C Ji - IEEE Transactions on Neural Networks, 1998 - doi.ieeecomputersociety.org

... Recall that the **training data** used to train a single (the  $h$ ) hidden neuron is where are the inputs and is their corresponding target. ... To give a rough idea about the problems, the targets versus their corresponding inputs and their corresponding **sequence numbers** are given in ...

Cited by 26 - Related articles - BL Direct - All 6 versions

[Classification and prediction of  \$\beta\$ -turn types by neural network](#)

YD Cai, YX Li, KC Chou - Advances in Engineering Software, 1999 - Elsevier

... 405), II'(89), VI(55), VIII(320), and non- $\beta$ -turns (3807) in the training database as constructed recently by [1]. Using these **training data** the rate ... and C-terminal residues are marked respectively by 1 and 54, all the  $\beta$ -turns are marked by their  $i$ th and  $(i+3)$ th **sequence numbers**. ...

Cited by 9 - Related articles - BL Direct - All 2 versions

[\[PDF\] Finding images of landmarks in video sequences](#)

Y Takeuchi, M Hebert - Proceedings of the IEEE Conference on ..., 1998 - Citeseer

... Specifically, images whose **sequence numbers** are far from each other cannot be grouped together because they were taken from locations distant from each other. ...  $T_m$  is computed from the average difference between distances in the **training data** set. ...

Cited by 8 - Related articles - View as HTML - All 9 versions

[Detection and classification of TCP/IP network services](#)

KMC Tan, BS Collie - Proceedings of the Computer ..., 1997 - doi.ieeecomputersociety.org

... is independent of the location of the observer [9]. The SYN packet serves to establish virtual connections and to synchronise packet **sequence numbers** during the ... These signatures are what the network has encapsulated of the **training data** which has been presented to it. ...

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## [Sample Selection for Covariance Estimation in Practical Airborne Environments](#)

WL Melvin - 1996 - Storming Media

... A synthetic target has been injected into range bin 290, Doppler 10, broadside (0 degrees azimuth). ... weights were computed from the same superset of secondary, further confirming the effects of nonhomogeneous data and the potential impact of **training data selection** schemes ...

[Cited by 1](#) - Related articles - All 3 versions

## [\[PDF\] Estimation of structural component loads in helicopters: a review of current ...](#)

FG Polanco - 1999 - dsto.defence.gov.au

... Using bin combinations for defining flight conditions, a flight condition recognition system was developed for the AH-1W helicopter. An example of a speed-altitude bin combination is speed in the range 10–20 kn and altitude in the range 1000–1500 ft. ...

[Cited by 2](#) - Related articles - All 8 versions

## [SVM binary classifier ensembles for image classification](#)

KS Goh, E Chang, KT Cheng - Proceedings of the tenth ..., 2001 - portal.acm.org

... The goal of the first category is to re- duce prediction variance caused by **training data selection**. ...

For color, we have 12 color bins for the 11 culture colors (black, white, red, yellow, green, blue, brown, purple, pink, orange, and gray) and one outlier bin. ...

[Cited by 47](#) - Related articles - All 7 versions

## [\[PDF\] Performance analysis of the nonhomogeneity detector for STAP applications](#)

M Rangaswamy, B Himed, JH Michels... - 2001 - dtic.mil

... Performance results are presented using both simulated and measured data. We then employ the NHD as a pre-processing step for **training data selection** and assess performance of the adaptive matched filter (AMF) test [16,17,18]. ... 10-5 0 Range Bin Index Test Statistic (dB) ...

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## [Novel Space-Time Adaptive Processing Methods for Gaussian and Non-Gaussian ...](#)

M Rangaswamy - 2001 - Storming Media

... reduced training data support. Finally, (4) we provided a rigorous statistical analysis of the recently proposed non-homogeneity detector, which is useful for **training data selection** in STAP applications. 14. SUBJECT TERMS STAP ...

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Estimation and prediction of evolving color distributions for skin segmentation ...

L Sigal, S Sclaroff, V Athitsos - IEEE COMPUTER ..., 2000 - doi.ieeecomputersociety.org

... Conditional probability densities were obtained by dividing the count of pixels in each histogram bin by the total number of pixels in the ... Figure 1: Average ROC curves (computed over three random sets of 100 images excluded from **training data**) for skin segmentation as a ...

Cited by 106 - Related articles - BL Direct - All 29 versions

[PDF] Topic detection and tracking pilot study: Final report

J Allan, J Carbonell, G Doddington, J Yamron, ... - Proceedings of the ..., 1998 - Citeseer

... However, it is not known to what extent the results would improve from better **binning**. One advantage of the HMM implementation is that it is very fast. ... The disadvantage of the HMM method is that it requires segmented **training data**. Results and Discussion LCA Method. ...

Cited by 485 - Related articles - View as HTML - All 14 versions

[PDF] Comparative experiments on large vocabulary speech recognition

R Schwartz, F Kubala, L Nguyen, J Makhoul, T ... - 1993 - aci.ldc.upenn.edu

... In this case, we must clearly use either a speaker-dependent or speaker-adaptive model in order ... are shifted relative to the original means, where the shift can be different for each bin. ... We had available stereo **training data** from several microphones that were not used in the test. ...

Cited by 25 - Related articles - View as HTML - All 14 versions

System for extraction of representative data for training of adaptive process

SW Wegerich, AD Wilks, A ... - US Patent App. 09/784,158, 2001 - Google Patents

... Finally, some empirical models are actually adversely affected by too much **training data**: They tend to find every current state of the monitored process or machine acceptable, because something close enough to it can be found in the historic Page 12. US 2002/0087290 A1 Jul. ...

All 2 versions

[PDF] A maximum entropy approach to adaptive statistical language modelling

R Rosenfeld - Computer speech and language, 1996 - Citeseer

... fail to appropriately merge training instances that are based on different values of d. Thus they unnecessarily fragment the **training data**. ... We have created an interpolate program that takes any number of probability streams, and an optional bin-partitioning stream, and runs the EM ...

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Intelligent system for reading handwriting on forms

MD Garris - PROCEEDINGS OF THE HAWAII ..., 1998 - doi.ieeecomputersociety.org

... test-bed not only contains pre-trained classifiers, but it provides extensive **training data** along with ... runs (n=3) on each scanline of the image are accumulated into a histogram bin. ... utilizes a method of handprint character segmentation that uses a simple adaptive model of writing ...

Cited by 4 - Related articles - BL Direct - All 8 versions

A framework for filtering news and managing distributed data

G Amati, DD'Aloisi, V Giannini, F Ubaldini - Journal of Universal ..., 1997 - jucs.org

... ProFile learns the user's information need by using his relevance feedback. The

**adaptive model** of ProFile is on line updated. ... In Section 2.3 we evaluate the performance of the learning model when little **training data** is provided. ...

Cited by 14 - Related articles - All 8 versions

[\[PDF\] FLIR/LADAR Fusion for Target Identification](#)

T Jenks - 1996 - dtic.mil

... **Adaptive Model-Based Techniques** Rockwell's Baseline ATD/I System [11] Done Under Current Contract Figure 3. The adaptive background suppression ... The output would be a 2D histogram, comprised of eight-bit registers, where the center **bin** contains the maximum value ...

Related articles - All 3 versions

[Artificial neural networks in renewable energy systems applications: a review](#)

SA Kalogirou - Renewable and Sustainable Energy Reviews, 2001 - Elsevier

... Mapping of a multiple input to a single output is established. Unlike most statistical techniques, this can be done with **adaptive model**-free estimation of parameters. 2. Pattern association and pattern recognition. ... The training of all patterns of a **training data** set is called an epoch. ...

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[Multimodal people ID for a multimedia meeting browser](#)

J Yang, X Zhu, R Gross, J Komínek, Y Pan, ... - Proceedings of the ..., 1999 - portal.acm.org

... For each segmented person, we collect (r, g) or (t, s) histogram counts with an M-**bin** histogram. ... A difficulty in this task is how to achieve high performance in real-time with a relatively small amount of **training data**. We will describe our baseline identification system first. ...

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